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|---|---|----|---|------------------------|--------------------------|
| Substitute for form 1449A/PTO   |   |    |   | Complete if Known      |                          |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   |    |   | Application Number     | 10/040,925               |
|   |   |    |   | Filing Date            | December 28, 2001        |
|   |   |    |   | First Named Inventor   | Richard N. ELLSON et al. |
|   |   |    |   | Art Unit               | 1641                     |
|   |   |    |   | Examiner Name          | Unassigned               |
|   |   |    |   | Attorney Docket Number | 7610-0040.20             |
| Sheet   | 1 | of | 2 |                        |                          |

APR 01 2002

### U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. | Document No.                     | Issue Date or Publication Date | Name of Patentee or Applicant of Cited Document | Class | Subclass | Filing Date if Appropriate |
|--------------------|----------|----------------------------------|--------------------------------|---|-------|----------|----------------------------|
| M                  | AA       | <del>Serial No. 09/669,267</del> | 4/9/02                         | Ellson et al.                                   |       |          | 9/25/00                    |
|                    | AB       | <del>Serial No. 09/669,996</del> |                                | Ellson et al.                                   |       |          | 9/25/00                    |
|                    | AC       | <del>Serial No. 09/669,997</del> |                                | Mutz et al.                                     |       |          | 9/25/00                    |
|                    | AD       | <del>Serial No. 09/712,818</del> |                                | Ellson et al.                                   |       |          | 11/13/00                   |
|                    | AE       | 4,500,707                        | 2/19/85                        | Caruthers et al.                                |       |          |                            |
|                    | AF       | 5,436,327                        | 7/25/95                        | Southern et al.                                 |       |          |                            |
|                    | AG       | 5,700,637                        | 12/23/97                       | Southern  |       |          |                            |
|                    | AH       | 5,744,305                        | 4/28/98                        | Fodor et al.                                    |       |          |                            |
|                    | AI       | 5,770,358                        | 6/23/98                        | Dower et al.                                    |       |          |                            |
|                    | AJ       | 5,800,992                        | 9/1/98                         | Fodor et al.                                    |       |          |                            |
|                    | AK       | 5,830,645                        | 11/3/98                        | Pinkel et al.                                   |       |          |                            |
|                    | AL       | 5,874,214                        | 2/23/99                        | Nova et al.                                     |       |          |                            |
|                    | AM       | 5,935,785                        | 8/10/99                        | Reber et al.                                    |       |          |                            |
|                    | AN       | 6,030,581                        | 2/29/00                        | Virtanen  |       |          |                            |
| M                  | AO       | 6,180,351                        | 1/30/01                        | Cattell   |       |          |                            |

### OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T |
|--------------------|----------|---|---|
| M                  | AP       | Lobnik et al. (1998), "pH Optical Sensors Based on Sol-Gels: Chemical Doping versus Covalent Immobilization," <i>Analytica Chimica Acta</i> 367:159-165.  |   |
|                    | AQ       | Offenbacher et al. (1986), "Fluorescence Optical Sensors for Continuous Determination of Near Neutral pH Values," <i>Sensors and Actuators</i> 9:73-84.   |   |
|                    | AR       | Wolfbeis et al. (1986), "Fluorescence Sensor for Monitoring Ionic Strength and Physiological pH Values," <i>Sensors and Actuators</i> 9:85-91.  |   |
| M                  | AS       | Wolfbeis et al. (1992), "LED-Compatible Fluorosensor for Measurement of Near-Neutral pH Values," <i>Mikrochimica Acta</i> 108:133-141.  |   |

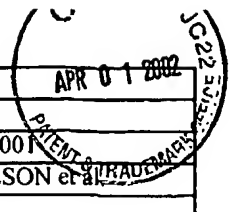
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|--------------------|----------|----------------------------------|--------------------------------|---|-------|----------|----------------------------|
| M                  | AT       | <del>Serial No. 09/962,730</del> | 4/15/03                        | Ellson et al.                                   |       |          | 9/24/01                    |
|                    | AU       | <del>Serial No. 09/962,731</del> | 4/11/02                        | Ellson  |       |          | 9/24/01                    |
|                    | AV       | <del>Serial No. 09/963,173</del> | 8/28/02                        | Mutz et al.                                     |       |          | 9/25/01                    |
|                    | AW       | <del>Serial No. 09/964,205</del> | 11/13/03                       | Ellson et al.                                   |       |          | 9/25/01                    |
|                    | AX       | <del>Serial No. 09/964,212</del> | 12/23/03                       | Ellson et al.                                   |       |          | 9/25/01                    |
|                    | AY       | <del>Serial No. 09/964,215</del> | 6/8/04                         | Mutz et al.                                     |       |          | 9/25/01                    |
|                    | AZ       | <del>Serial No. 09/993,353</del> | 7/4/02                         | Ellson et al.                                   |       |          | 11/13/01                   |
| M                  | BA       | 6,054,270                        | 4/25/00                        | Southern et al.                                 |       |          |                            |

|                    |                          |                 |         |
|--------------------|--------------------------|-----------------|---------|
| Examiner Signature | <i>Richard N. Ellson</i> | Date Considered | 6/18/04 |
|--------------------|--------------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| MY   | BB       | Matteuci et al. (1980), "The Synthesis of Oligodeoxypyrimidines on a Polymer Support," <i>Tetrahedron Letters</i> 21:719-722.   |   |
| MY   | BC       | Steel et al. (2000), "The Flow-Thru Chip™: A Three-Dimensional Biochip Platform," <i>Microarray Biochip Technology</i> , Chapter 5, pp. 87-117, BioTechniques Books, Natick, MA.  |   |

|                    |  |                 |         |
|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 2/10/04 |
|--------------------|--|-----------------|---------|

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